MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Main Road-3					Sri Nivasapura Village	
	Main Road-2					2nd cross Road-3	
	Main Road-1					2nd cross Road-2	
	2nd cross Road					2nd cross Road-1	
						AS Phalt Work	
						RCC Drain	
						CC Road	
22/01/2020	Main Road						
	Cross Road						

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ಪಿ.ಪಿ.ಯು.ಸಿ., ಬೆಂಗಳೂರು-24

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

500511

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate.	(1) Certified that the work done satisfactory (2) This bill amount has not been claimed in any of previous bill.					

Executive Engineer
Kolkata-24

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(19) Loading and unloading & stone boweding by manual means complete as per Specification.					1385.20	
	Rate. 60.42					3	
						1392.76 M	83694
							84151
					Grand Total.		8363326
					12% Applicable GST		1003599
					For 3% KRIDL Charges		250940
					Add 1% Labour Cess		83633
					Total Rs.		9701459

25/04/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Assistant Executive Engineer
R.R. Nagar, Sub-division-5
KRIDL, BBMP, Bangalore

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(19)	Loading and unloading & stowe bowedeng b manual means Compliese as per Specification,					1385.70 3 ~~1392.76~~ 83694 ~~84151~~	
	Rate · 60 + 42						
						Grand Total ·	836332
						12 % Applicable GST	100399
						For 3 % KRIDC Charge	25090
						Add 1 % Labour Cess	8363
						Total Rs.	970145

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500510

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	WOR by Providing & Laying Finisher WOR Sensor Control to the Required Grade Level and Alignment Having with Smooth Wheeled Vibratory and Tandem Rollers to achieve the desired Compaction Complete in all respects as per Specification. 30.45 mm Compressed Thickness (Carriageway) 6% Sideman ex.. Complete.					94.04 3 90.00 M 834043.00 ~~798212.00~~	
	Pak. 8869:02						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including Cost of necessary Royalty to measurements complete as per Specification.						
	Rate. 24:84					2351.07 L ~~1354.00 M~~	
							58 Kol:00 ~~33633:44~~
(18)	Providing and laying Bituminous Concrete hot mix plant produced on average out put of 75 tonnes per hour using Crushed aggregate & Specified grading pattern bituminous binder of 5.4 to 5.6% by mix and including transporting the hot mix to work site and laying						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500503

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	WM Load coat to 1 km including cost & all necessary labour complete as per Specifications.						
	Rate 6823:44					~~67.70~~ m^3 66.43	~~46947:00~~ 453281:00
(17)	Providing and applying tack coat on granular base such as WBM and WMM surfaces not bituminous primed with spray @ 8 kg (excluding cleaning & preparing surface						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregate as per design mixed formula over base binding course including loading & transport with FE loader to mixed & spare aggregate and bitumen in hot mixed plants to some capacity from starting the mixed material is taken to paver and laying mixed material with paver finisher to the required level and gradient spreading by paver shaver to achieve the desired density 80 (75 mm compacted thickness with 3% bitumen by excluding cost of primer / tack coat						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500508

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(15)	Providing and applying Primer Coat from 7.5 to 9.8 Kg and 9.8 to 12.2 Kg Per 10 sq mtr for Surface of Low and medium Porosity dressed over Prepared Surface of granular base with Cut back Bitumen Gr. 70 or any other Bitumen mixed with diesel oil to Kg Per 10 sq mtr heated if Bitumen boiled Fitted with Spray ~~&~~ (excluding cleaning of Road Surface) including Cost of all necessaries Labour complete as per Specification					2250.00 m^2 1328.69	~~8090.00~~ 4788.00

Page. 36:04

MEASUREMENT B

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(14) Providing laying spreading and compacting graded stones as base to wet mix macadam specification including premixing the materials with water at OMC in mechanical mix plant & mixed material & tipper to site laying in uniform layers with pavers in sub base course on prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification.					661.08 m²	
	Date. 2001:28					652.39	1323006 / 1305615

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500507

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(13)	Vaccum De-Watering with vacuum Pump and Suction mat and Compaction with Skin plaster Crushed with Floating Crushed Floating disc including cost of generator Hire & Mechenery Served Diesel Power Floaterglade and diesel etc.. with all Cost and etc.. Compress as per Specification.					1936.46 M²	
	Rate. 72:08						139580.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(exclusive of cost of Steel and fabrication Cement Ready Mixed cement concrete M 20 for Raft foundation column footings Main and secondary beams.						
	Rate. 5770:64					193.65 m3	
	(12) Providing and fixing 20 mm thick Compressible fibre board in expansion joint Complete as per drawing and technical specification. as per specification.						
	Rate. 126:14					325.00 m2	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500506

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Rate · 2100·00					348.03 m^2	730863·00
(11)	Providing and laying cement concrete using 20mm and down size granite jelly & ready mixed concrete (RMC) for RCC works laid in 15cm thick layers and well compacted including curing finishing with necessary cement & Mortar form works and scaffolding etc complete including all lead and lift etc. Complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and Paid) Cost of Materials labour Hom & Mechan...						
	Compose as per Specification.						
	Rate - 75223:96					8.59 Rom	
						646174:11	
10	Precast Slab down and down size for Slab						
	(including Steel work & cement) including Cutti...						
	and Shuttering machine mixed Concrete laid in						
	Layers not exceeding 15 cms thick well compacted						
	Cost of all Materials labour Hom & Mechanery Com...						
	Compose as per Specification ie 1:1.5:3 including						
	all Cost & Material Complete Rie Pre Cast Slab.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500505

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Rate. 5998:54					132.17 M^3	792827.00
	⑨ Providing TMT Steel reinforcement for RCC work including straightening cutting bending hooking Placing in position tying and or welding whenever required laying with binding wire and securing to the adjoining members wherever necessary complete as per design. Cost hooks and wastage shall not be measured						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Providing and laying in position Plain Cement Concr						
	& mix M20 with OPC Cement @ 320 kgs with 20 mm						
	as 20mm down size graded granite metal Co						
	ratio case @ 0.878 cum and fine aggregate @ 0.45						
	with Superplasticizer as its Conforming to IS 9103:						
	reinforced cement mixed exceeding 15 cms thick						
	Concrete for all works in foundation plinth & grou						
	floors including for Roof Slabs Staircase Cills & Lintels &						
	Specials including cost & all materials complete						
	as per Specification.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500504

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost of all materials labour curing complete as per Specification Rate · 5627 : 54					39.98 m^3	224989 : 00
④	Providing Flush Pointing to coursed Stone masonry with cement mortar 1:3 20mm deep as per raking joints to depth of 20mm nicely trimming including cost of materials curing complete as per specification. Rate · 223 : 66					24.80 m^2	5547 : 00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	bressummers and lintels not exceeding 1.0 m in depth including cost of all materials labour complete as per Specification. Rate. 309:52					958.12 m^2	296557
	⑥ Providing and laying in position Plain Cement Concrete of Mix 1:3:6 with OPC Cement of 220 kg, with 20mm and down size graded granite metal Coarse aggregate of 0.84 cum and fine aggregate of 0.56 cum machine mixed Concrete laid in layers not exceeding 15cm were compacted in foundation and plinth including						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

500503

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	then 15 cms high hand stones as 2-0 nos in each courses not less then 15 cms high hand stones as 2-0 nos at ends in each Courses including cost & materials lasonwing complete as per Specification.					11.16 M^3	
	Rate. 5305:30					59207:00	
(8)	Providing and removing centering Shuttering Shoring propping etc.. and removal of formwork for sides and soffits & beams, Lintels & Cantilever girders						

MEASUREMENT BOOK

Date	Full description etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Providing and Constructing Granite/Trap/ basalt Stone Masonry in Foundation with cement Mortar 1: Stone hammered dressed in Courses not less than Height and Stones of 2-0 M.M apart in each Courses with Cold Materials (Excluding Concrete as per Specification Rate. 4871:76					14.88 M^3 72492/-	
	(4) Providing and Constructing Granite/Trap/ basalt Rubble Stone Masonry in basements with cement Mortar 1:6 Edges & Stones Coursed dressed in Courses not less						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

500502

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Providing to laying as per Page 600.4 after blending mixing in batching Plant at optimum moisture content transporting to site laying with a paver with electronic sensor connecting with 8.10 tonnes smooth wheeled vibratory roller to achieve the designed flexural strength finishing and curing complete as per Specification.					350.13 M^3	
	Rate. 3606:12						1262611:00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specification and direction of the Work.					Engineer in Charge ~~1392.70~~ M 3 1385.20 M	
	Rate. 137:80						~~19192.00~~ 19088.00
(2)	Construction of Raised Cement concrete					Mix 1:4:8	
	OPC Cement Concrete Mix 1:4:8					OPC cement of 180	
	with 25mm and down size graded					granite metal	
	Coarse aggregate as 0.85 cum and					fine aggregate	
	as 0.57 cum base					Coarse and fine aggregate	
	Conforming to IS 383					aggregate Cement Ratio 12:1	
	and minimum Cement Content @ 180 kg/					cum aggregate	

1st and Final Bill

Work Code - 005-20-000006

M. A. R. 57 (Rule 116)
Measurement Book

No. B Est Cost Rs-99.00 Lakhs

500501

Serial No. .....

Name of Work ..... Improvements to Roads And Drains At Srinivasapura village in Ward No. 05 From ..... To .....

Name of Contractor or nature of Agency ..... Executive Engineer

Date of commencement of work ..... KRIDL # 280, 5th Cross Road 17th C' Main Road 3rd & 4th Block Rajajinagara Bangalore-560010

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Work order No. - BBMP/EE/BTP/WO/129/2019.20.						
	(1) Earth work excavation by manual means in ordinary Soil Soil involving an average horizontal throw upto 2 meters And an average lift upto 0.00 mtr excavated surface leveled and sides neatly dressed and disposed earth to be leveled as directed by Engineer including Roads etc., complete as per						